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8 July – 16 August 1996

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Ames, M. M. 1449
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Annals of Tropical Medicine and Parasitology 697
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Jia, C. X. 1955
Jia, F. J. 2850, 3135, 3140
Jia, H. Z. 3168
Jia, S. Y. 4469
Jian, H. 5159
Jian, L. Z. 1934
Jian, W. G. 2975
Jiang, C. P. 1777, 3093, 3418
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Jiao, P. Y. 4279, 4306
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Abdominal Imaging
Acta Agriculturae Boreali-Sinica
Acta Biotheoretica
Acta Cardiologica Mediterranea
Acta Chirurgica Belgica
Acta Chirurgica Mediterranea
Acta Cytologica
Acta Dermato-Venereologica
Acta Entomologica Chilena
Acta Hydrobiologica Sinica
Acta Ichthyologica et Piscatoria
Acta Leidensia
Acta Medica Veterinaria
Acta Mediterranea di Patologia Infettiva e Tropicale
Acta Neurologica Scandinavica
Acta Oncologica
Acta Paediatrica
Acta Parasitologica
Acta Pharmaceutica Sinica
Acta Pharmacologica Sinica
Acta Scientiarum Naturalium Universitatis Normalis Hunanensis
Acta Societatis Zoologicae Bohemicae
Acta Tropica
Acta Veterinaria (Beograd)
Acta Veterinaria et Zootechnica Sinica
Acta Veterinaria Hungarica
Acta Veterinaria Scandinavica
Acta Zootaxonomica Sinica
Actualidades Corpoica
Advances in Disease Vector Research
Advances in Parasitology
Africa Health
African Journal of Health Sciences
Agri-Practice
Agriculture, Ecosystems & Environment
AJDC, American Journal of Diseases of Children
Alimentaria
Allergy (Copenhagen)
Alpe Adria Microbiology Journal
American Family Physician
American Journal of Dermatopathology
American Journal of Gastroenterology
American Journal of Hematology
American Journal of Medicine
American Journal of Ophthalmology
American Journal of Pathology
American Journal of Roentgenology
American Journal of Tropical Medicine and Hygiene
American Journal of Veterinary Research
American Midland Naturalist
American Naturalist
Amino Acids
Anais Brasileiros de Dermatologia
Anales del Instituto de Biología. Serie Zoología
Analyst
Analytica Chimica Acta
Analytical Letters
Animal Behaviour
Animal Feed Science and Technology
Animal Production
Annales de Gastroentérologie et d'Hépatologie
Annales de la Société Belge de Médecine Tropicale
Annales de Médecine Vétérinaire
Annales de Parasitologie Humaine et Comparée
Annales de Pédiatrie
Annales Historico-Naturales Musei Nationalis Hungarici
Annales Zoologici
Annali dell'Istituto Superiore di Sanità
Annals of Agricultural Science, Moshtohor
Annals of Allergy
Annals of Human Biology
Annals of the New York Academy of Sciences
Annals of Tropical Medicine and Parasitology
Annual Bulletin of the Society of Parasitology, Guangdong Province
Annual Review of Entomology
Annual Review of Fish Diseases
Annual Review of Microbiology
Anti-Cancer Drugs
Anticancer Research
Antimicrobial Agents and Chemotherapy
APMIS, Acta Pathologica, Microbiologica et Immunologica Scandinavica
Applied Biochemistry and Biotechnology. Part A, Enzyme Engineering and Biotechnology
Applied Parasitology
Aquaculture
Arab Gulf Journal of Scientific Research
Archiv der Pharmazie (Weinheim)
Archive of the Faculty of Veterinary Medicine, Tehran University
Archives of Biochemistry and Biophysics
Archives of Dermatology
Archives of Environmental Contamination and Toxicology
Archives of Internal Medicine
Archives of Medical Research
Archives of Neurology
Archivos de Medicina Veterinaria
Arquivo Brasileiro de Medicina Veterinária e Zootecnia
Arquivos da Faculdade de Veterinária, UFRGS
Arquivos da Universidade Federal Rural do Rio de Janeiro
Arquivos de Biologia e Tecnologia
Arquivos do Instituto Biológico (São Paulo)
Arzneimittel Forschung
Asia Pacific Journal of Pharmacology
Asian Pacific Journal of Allergy and Immunology
Asian-Australasian Journal of Animal Sciences
Assiut Veterinary Medical Journal
Atti della Società Italiana di Buiatria
Australian Journal of Zoology
Australian Veterinary Journal
Avances en Alimentación y Mejora Animal
Avances en Ciencias Veterinarias
Avian Diseases
Behavioral Ecology
Belgian Journal of Zoology
Berliner und Münchener Tierärztliche Wochenschrift
Biochemical and Biophysical Research Communications
Biochemical Journal (London)
Biochemical Pharmacology
Biochemical Society Transactions
Biochemical Systematics and Ecology
Biochemistry (Washington)
Biochemistry and Cell Biology
Biochemistry and Molecular Biology International
Biochimica et Biophysica Acta, Bioenergetics
Biochimica et Biophysica Acta, Gene Structure and Expression
Biochimica et Biophysica Acta, Lipids and Lipid Metabolism
Biochimica et Biophysica Acta, Molecular Basis of Disease
Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology
BioEssays
Biológia (Bratislava)
Biological Journal of the Linnean Society
Biological Mass Spectrometry
Biology and Fertility of Soils
Biomédica
Bioorganic & Medicinal Chemistry Letters
Biopharmaceutics & Drug Disposition
Biotechnic & Histochemistry
BioTechniques
Bioved
Blood Coagulation & Fibrinolysis
Boletim de Indústria Animal
Boletín Chileno de Parasitología
Boletín de la Asociacion Argentina de Microbiologia
Boletín de la Dirección de Malariología y Saneamiento Ambiental
Boletín de la Oficina Sanitaria Panamericana
Bone Marrow Transplantation
Brazilian Journal of Medical and Biological Research

Brazilian Journal of Veterinary Research and Animal Science
British Heart Journal
British Journal of Clinical Pharmacology
British Journal of Clinical Practice
British Journal of Dermatology
British Journal of Hospital Medicine
British Journal of Neurosurgery
British Journal of Nutrition
British Journal of Ophthalmology
British Journal of Surgery
British Journal of Urology
British Medical Journal (Clinical Research edition)
British Veterinary Journal
Buffalo Bulletin
Buffalo Journal
Buletinul Academiei de Ştiinţe a Republicii Moldova. Ştiinţe Biologice şi Chimice
Bulletin de l'Académie Vétérinaire de France
Bulletin de la Société de Pathologie Exotique
Bulletin de la Société Française de Parasitologie
Bulletin de la Société Zoologique de France
Bulletin des G.T.V.
Bulletin Épidémiologique Hebdomadaire
Bulletin Mensuel de la Société Vétérinaire Pratique de France
Bulletin of Animal Health and Production in Africa
Bulletin of Entomological Research
Bulletin of Environmental Contamination and Toxicology
Bulletin of the Aquaculture Association of Canada
Bulletin of the College of Agriculture and Veterinary Medicine, Nihon University
Bulletin of the European Association of Fish Pathologists
Bulletin of the Pan American Health Organization
Bulletin of the Scandinavian Society for Parasitology
Bulletin of the World Health Organization
Bulletin of Tropical Medicine and International Health
Cadernos de Saúde Pública
Canadian Journal of Fisheries and Aquatic Sciences
Canadian Journal of Infectious Diseases
Canadian Journal of Neurological Sciences
Canadian Journal of Ophthalmology
Canadian Journal of Surgery
Canadian Journal of Zoology
Canadian Veterinary Journal
Cancer
Cancer Chemotherapy and Pharmacology
Cancer Journal
Cancer Research (Baltimore)
Carcinogenesis
Centaur (Mylapore)
Central African Journal of Medicine
Central European Journal of Public Health
Cerebrovascular Diseases
Cheiron
Chemical and Pharmaceutical Bulletin
Chemosphere
Chest
Chinese Journal of Parasitic Disease Control
Chinese Journal of Parasitology & Parasitic Diseases
Chinese Journal of Veterinary Medicine
Chinese Journal of Veterinary Science
Chinese Journal of Veterinary Science and Technology
Chinese Journal of Zoology
Chinese Medical Journal
Chiribotan
Ciência e Cultura (São Paulo)
Ciência Rural
Ciencias Veterinarias (Heredia)
Circular Farmacèutica
Clinica Chimica Acta
Clinical and Experimental Allergy
Clinical and Experimental Dermatology
Clinical and Experimental Immunology
Clinical Imaging
Clinical Immunology and Immunopathology
Clinical Infectious Diseases
Clinical Microbiology Newsletter
Clinical Pharmacology and Therapeutics
Clinical Radiology
Comparative Biochemistry and Physiology. A, Physiology
Comparative Biochemistry and Physiology. B, Biochemistry & Molecular Biology
Comparative Biochemistry and Physiology. C, Pharmacology, Toxicology & Endocrinology
Comparative Immunology, Microbiology and Infectious Diseases
Compendium on Continuing Education for the Practicing Veterinarian
Comptes Rendus de l'Académie des Sciences. Série III, Sciences de la Vie
Computer Methods and Programs in Biomedicine
Conquest (London)
Conservation Biology
Curare
Current Nematology
Current Opinion in Cell Biology
Current Opinion in Gastroenterology
Current Opinion in Immunology
Current Opinion in Infectious Diseases
Cytokine
Cytopathology
Dansk Veterinærtidsskrift
Deer Farming
Deltion tēs Ellēnikēs Ktēniatrikēs Etaireias = Bulletin of the Hellenic Veterinary Medical Society
Dermatologic Clinics
Dermatosen in Beruf und Umwelt
Deutsche Medizinische Wochenschrift
Deutsche Tierärztliche Wochenschrift
Developmental Biology
Digestive Diseases and Sciences
Diseases of Aquatic Organisms
Documenta Ophthalmologica
Doğa, Türk Veterinerlik ve Hayvancılık Dergisi
Doğa, Türk Zooloji Dergisi
Doklady Rossiĭskoĭ Akademii Sel'skokhozyaĭstvennykh Nauk
Drug Metabolism Reviews
East African Medical Journal
Ecological Applications
Ecological Modelling
Ecological Monographs
Ecology
Ecology of Food and Nutrition
Ecotoxicology and Environmental Safety
Eesti Loomaarstlik Ringvaade
Egyptian Journal of Comparative Pathology and Clinical Pathology
Egyptian Journal of Pharmaceutical Sciences
Endemic Diseases Bulletin
Endoscopy
Entomophaga
Environment and Ecology
Environmental Biology of Fishes
Environmental Entomology
Environmental Toxicology and Chemistry
Epidemiologie, Mikrobiologie, Imunologie
Epilepsia
Equine Practice
Equine Veterinary Journal
Ethiopian Medical Journal
European Cytokine Network
European Journal of Biochemistry
European Journal of Cancer
European Journal of Clinical Microbiology & Infectious Diseases
European Journal of Clinical Pharmacology
European Journal of Immunology
European Journal of Medicinal Chemistry
European Journal of Pediatric Surgery
European Radiology
European Respiratory Journal
Evolution
Experientia
Experimental and Molecular Pathology
Experimental and Toxicologic Pathology
Experimental Eye Research
Experimental Nephrology
Experimental Parasitology
Eye (London)
Farmers Weekly
FASEB Journal
Fauna (Blindern)
FEMS Immunology and Medical Microbiology
Fish & Shellfish Immunology
Fitoterapia
Fleischwirtschaft
Folia Parasitologica
Folia Venatoria
Folia Veterinaria
Food and Chemical Toxicology
Food Control
Fourrages
Fresenius' Journal of Analytical Chemistry
Functional Ecology
Fundamental and Applied Toxicology
Garcia de Orta. Série de Zoologia
Gastroentérologie Clinique et Biologique
Gastroenterology
Gastrointestinal Endoscopy
Gene
Genome
Gibier Faune Sauvage
Gidrobiologičeskij Zhurnal
Giornale di Malattie Infettive e Parassitarie
Giornale Italiano di Dermatologia e Venereologia
Glycobiology
Goat Veterinary Society Journal

Gut
Gyobyo Kenkyu = Fish Pathology
Haemostasis
Hamdard Medicus
Harefuah
Health Policy and Planning
Helliniki Iatriki
Helminthologia
Helminthological Abstracts
Hepato-Gastroenterology
Heredity
Higiene Alimentar
Hindustan Antibiotics Bulletin
Histopathology
História Ciências, Saúde - Manguinhos
Hospital Practice
Human Pathology
Human Reproduction
Hybridoma
Hydrobiologia
Hydrobiological Journal
Immunology
Immunology and Cell Biology
Immunology and Infectious Diseases
In Practice
Indian Journal of Animal Health
Indian Journal of Animal Sciences
Indian Journal of Dairy Science
Indian Journal of Dermatology
Indian Journal of Experimental Biology
Indian Journal of Malariology
Indian Journal of Medical Research
Indian Journal of Medical Research. Section A, Infectious Diseases
Indian Journal of Medical Sciences
Indian Journal of Parasitology
Indian Journal of Poultry Science
Indian Journal of Public Health
Indian Journal of Small Ruminants
Indian Journal of Veterinary Medicine
Indian Journal of Veterinary Pathology
Indian Pediatrics
Indian Veterinary Journal
Industrie Alimentari
Infection
Infection and Immunity
Infectious Disease Clinics of North America
Infectious Diseases in Clinical Practice
Infectious Diseases in Obstetrics and Gynecology
Infectologia & Microbiologia Clinica
INFOFISH International
Insect Biochemistry and Molecular Biology
Internal Medicine (Tokyo)
International Archives of Allergy and Immunology
International Journal for Parasitology
International Journal of Animal Sciences
International Journal of Biochemistry
International Journal of Cardiology
International Journal of Clinical & Laboratory Research
International Journal of Dermatology
International Journal of Environmental Health Research
International Journal of Epidemiology
International Journal of Experimental Pathology
International Journal of Food Science & Technology
International Journal of Immunopathology and Pharmacology
International Journal of Oncology
International Journal of Pharmaceutics
International Journal of Pharmacognosy
International Journal of Primatology
International Journal of Radiation Oncology Biology Physics
International Journal of STD & AIDS
International Ophthalmology
Invertebrate Taxonomy
Investigación Agraria, Producción y Sanidad Animales
Investigative Ophthalmology & Visual Science
Iowa State University Veterinarian
Ippologia
Iranian Journal of Public Health
Iraqi Journal of Veterinary Sciences
Irish Journal of Agricultural and Food Research
Irish Naturalists' Journal
Irish Veterinary Journal
Irish Veterinary News
Israel Journal of Medical Sciences
Israel Journal of Veterinary Medicine
ITEA Producción Animal
Japanese Journal of Cancer Research
Japanese Journal of Medical Science & Biology
Japanese Journal of Parasitology
Japanese Journal of Sanitary Zoology
Japanese Journal of Toxicology and Environmental Health
Japanese Journal of Tropical Medicine and Hygiene
JARQ, Japan Agricultural Research Quarterly
JNMA, Journal of the Nepal Medical Association
Journal d'Urologie
Journal de Chirurgie
Journal de Radiologie (Paris)
Journal of Agricultural and Food Chemistry
Journal of Agromedicine
Journal of Allergy and Clinical Immunology
Journal of Analytical Toxicology
Journal of Animal Ecology
Journal of Antibiotics
Journal of AOAC International
Journal of Applied Ecology
Journal of Applied Toxicology
Journal of Aquariculture & Aquatic Sciences
Journal of Aquatic Animal Health
Journal of Biochemistry (Tokyo)
Journal of Biological Chemistry
Journal of Biosciences
Journal of Biosocial Science
Journal of Bone and Joint Surgery, British volume
Journal of Cell Biology
Journal of Cell Science
Journal of Cellular Physiology
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Journal of Comparative Pathology
Journal of Comparative Physiology. B, Biochemical, Systemic, and Environmental Physiology
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Journal of Controlled Release
Journal of Ecobiology
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
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Journal of Experimental Marine Biology and Ecology
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Journal of Family Practice
Journal of Fish Biology
Journal of Fish Diseases
Journal of Food Protection
Journal of General Physiology
Journal of General Virology
Journal of Helminthology
Journal of Histochemistry and Cytochemistry
Journal of Hygiene, Epidemiology, Microbiology and Immunology
Journal of Ichthyology
Journal of Immunology (Baltimore)
Journal of Industrial Microbiology
Journal of Infection
Journal of Infectious Diseases
Journal of Insect Behavior
Journal of International Medical Research
Journal of Invertebrate Pathology
Journal of Investigational Allergology & Clinical Immunology
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Münchener Medizinische Wochenschrift
Mutation Research, Fundamental and Molecular Mechanisms of Mutagenesis
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National Medical Journal of India
Nature (London)
Naunyn-Schmiedebergs Archiv für Pharmakologie
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Onderstepoort Journal of Veterinary Research
Ophelia
Osteuropastudien der Hochschulen des Landes Hessen. Reihe 1, Giessener Abhandlungen zur Agrar- und Wirtschaftsforschung des Europäischen Ostens
PAC Technical Paper - Pakhribas Agricultural Centre
Pakistan Journal of Veterinary Research
Pakistan Journal of Zoology
Pakistan Veterinary Journal
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Public Health Reports
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Sarsia
Saudi Medical Journal
Sborník Vysoké Školy Zemědělské v Praze, Fakulta Agronomická. Řada B, Živočišná Výroba
Scandinavian Journal of Infectious Diseases
Schweizer Archiv für Tierheilkunde
Schweizerische Medizinische Wochenschrift
Science (Washington)
Science Reports of Faculty of Agriculture, Kobe University
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Scientific Reports of the Hokkaido Fish Hatchery
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Special Report - Agricultural Experiment Station, Division of Agriculture, University of Arkansas
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